

Chassis TV-VCR 2004 – 21” Range (Z12VA)

**Main Schematic Diagram
H.V./Power Schematic Diagram
CRT Schematic Diagram
Text Schematic Diagram
Wiring Diagram
Waveforms**

3143 025 22151

Modification 0

Subject to Modification

Sheet 3 of 3

Main 4/5 Schematic Diagram

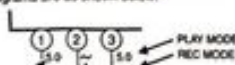
*•• = SMD

NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR, (CAN DISCONNECT AND RECONNECT).
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY)

TEST POINT INFORMATION
 ○ INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
 ⊕ USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
 ⊙ USED TO INDICATE A TEST POINT WITH NO TEST PIN.
 ● USED TO INDICATE A TEST POINT WITH A TEST PIN.

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:



THE SAME VOLTAGE FOR INDICATES THAT THE VOLTAGE BOTH PLAY & REC MODES. IS NOT CONSISTENT HERE.

VOLTAGE CHART (Power off mode)

Ref. No.	1	2	3
IC801	3.2	0	1.9
Ref. No.	E	C	B
Q802	0	7.9	0
Q804	0.1	3.1	0
Q805	0	0.8	0
Q806	0	3.1	0

MAIN 4/5 SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

Part No.	Position	Part No.	Position
CAPACITORS			
C401	1.2	C801	1.2
C402	1.2	C802	1.2
C403	1.2	C803	1.2
C404	1.2	C804	1.2
C405	1.2	C805	1.2
C406	1.2	C806	1.2
C407	1.2	C807	1.2
C408	1.2	C808	1.2
C409	1.2	C809	1.2
C410	1.2	C810	1.2
C411	1.2	C811	1.2
C412	1.2	C812	1.2
C413	1.2	C813	1.2
C414	1.2	C814	1.2
C415	1.2	C815	1.2
C416	1.2	C816	1.2
C417	1.2	C817	1.2
C418	1.2	C818	1.2
C419	1.2	C819	1.2
C420	1.2	C820	1.2
C421	1.2	C821	1.2
C422	1.2	C822	1.2
C423	1.2	C823	1.2
C424	1.2	C824	1.2
C425	1.2	C825	1.2
C426	1.2	C826	1.2
C427	1.2	C827	1.2
C428	1.2	C828	1.2
C429	1.2	C829	1.2
C430	1.2	C830	1.2
C431	1.2	C831	1.2
C432	1.2	C832	1.2
C433	1.2	C833	1.2
C434	1.2	C834	1.2
C435	1.2	C835	1.2
C436	1.2	C836	1.2
C437	1.2	C837	1.2
C438	1.2	C838	1.2
C439	1.2	C839	1.2
C440	1.2	C840	1.2
C441	1.2	C841	1.2
C442	1.2	C842	1.2
C443	1.2	C843	1.2
C444	1.2	C844	1.2
C445	1.2	C845	1.2
C446	1.2	C846	1.2
C447	1.2	C847	1.2
C448	1.2	C848	1.2
C449	1.2	C849	1.2
C450	1.2	C850	1.2
C451	1.2	C851	1.2
C452	1.2	C852	1.2
C453	1.2	C853	1.2
C454	1.2	C854	1.2
C455	1.2	C855	1.2
C456	1.2	C856	1.2
C457	1.2	C857	1.2
C458	1.2	C858	1.2
C459	1.2	C859	1.2
C460	1.2	C860	1.2
C461	1.2	C861	1.2
C462	1.2	C862	1.2
C463	1.2	C863	1.2
C464	1.2	C864	1.2
C465	1.2	C865	1.2
C466	1.2	C866	1.2
C467	1.2	C867	1.2
C468	1.2	C868	1.2
C469	1.2	C869	1.2
C470	1.2	C870	1.2
C471	1.2	C871	1.2
C472	1.2	C872	1.2
C473	1.2	C873	1.2
C474	1.2	C874	1.2
C475	1.2	C875	1.2
C476	1.2	C876	1.2
C477	1.2	C877	1.2
C478	1.2	C878	1.2
C479	1.2	C879	1.2
C480	1.2	C880	1.2
C481	1.2	C881	1.2
C482	1.2	C882	1.2
C483	1.2	C883	1.2
C484	1.2	C884	1.2
C485	1.2	C885	1.2
C486	1.2	C886	1.2
C487	1.2	C887	1.2
C488	1.2	C888	1.2
C489	1.2	C889	1.2
C490	1.2	C890	1.2
C491	1.2	C891	1.2
C492	1.2	C892	1.2
C493	1.2	C893	1.2
C494	1.2	C894	1.2
C495	1.2	C895	1.2
C496	1.2	C896	1.2
C497	1.2	C897	1.2
C498	1.2	C898	1.2
C499	1.2	C899	1.2
C500	1.2	C900	1.2
C501	1.2	C901	1.2
C502	1.2	C902	1.2
C503	1.2	C903	1.2
C504	1.2	C904	1.2
C505	1.2	C905	1.2
C506	1.2	C906	1.2
C507	1.2	C907	1.2
C508	1.2	C908	1.2
C509	1.2	C909	1.2
C510	1.2	C910	1.2
C511	1.2	C911	1.2
C512	1.2	C912	1.2
C513	1.2	C913	1.2
C514	1.2	C914	1.2
C515	1.2	C915	1.2
C516	1.2	C916	1.2
C517	1.2	C917	1.2
C518	1.2	C918	1.2
C519	1.2	C919	1.2
C520	1.2	C920	1.2
C521	1.2	C921	1.2
C522	1.2	C922	1.2
C523	1.2	C923	1.2
C524	1.2	C924	1.2
C525	1.2	C925	1.2
C526	1.2	C926	1.2
C527	1.2	C927	1.2
C528	1.2	C928	1.2
C529	1.2	C929	1.2
C530	1.2	C930	1.2
C531	1.2	C931	1.2
C532	1.2	C932	1.2
C533	1.2	C933	1.2
C534	1.2	C934	1.2
C535	1.2	C935	1.2
C536	1.2	C936	1.2
C537	1.2	C937	1.2
C538	1.2	C938	1.2
C539	1.2	C939	1.2
C540	1.2	C940	1.2
C541	1.2	C941	1.2
C542	1.2	C942	1.2
C543	1.2	C943	1.2
C544	1.2	C944	1.2
C545	1.2	C945	1.2
C546	1.2	C946	1.2
C547	1.2	C947	1.2
C548	1.2	C948	1.2
C549	1.2	C949	1.2
C550	1.2	C950	1.2
C551	1.2	C951	1.2
C552	1.2	C952	1.2
C553	1.2	C953	1.2
C554	1.2	C954	1.2
C555	1.2	C955	1.2
C556	1.2	C956	1.2
C557	1.2	C957	1.2
C558	1.2	C958	1.2
C559	1.2	C959	1.2
C560	1.2	C960	1.2
C561	1.2	C961	1.2
C562	1.2	C962	1.2
C563	1.2	C963	1.2
C564	1.2	C964	1.2
C565	1.2	C965	1.2
C566	1.2	C966	1.2
C567	1.2	C967	1.2
C568	1.2	C968	1.2
C569	1.2	C969	1.2
C570	1.2	C970	1.2
C571	1.2	C971	1.2
C572	1.2	C972	1.2
C573	1.2	C973	1.2
C574	1.2	C974	1.2
C575	1.2	C975	1.2
C576	1.2	C976	1.2
C577	1.2	C977	1.2
C578	1.2	C978	1.2
C579	1.2	C979	1.2
C580	1.2	C980	1.2
C581	1.2	C981	1.2
C582	1.2	C982	1.2
C583	1.2	C983	1.2
C584	1.2	C984	1.2
C585	1.2	C985	1.2
C586	1.2	C986	1.2
C587	1.2	C987	1.2
C588	1.2	C988	1.2
C589	1.2	C989	1.2
C590	1.2	C990	1.2
C591	1.2	C991	1.2
C592	1.2	C992	1.2
C593	1.2	C993	1.2
C594	1.2	C994	1.2
C595	1.2	C995	1.2
C596	1.2	C996	1.2
C597	1.2	C997	1.2
C598	1.2	C998	1.2
C599	1.2	C999	1.2
C600	1.2	C1000	1.2
C601	1.2	C1001	1.2
C602	1.2	C1002	1.2
C603	1.2	C1003	1.2
C604	1.2	C1004	1.2
C605	1.2	C1005	1.2
C606	1.2	C1006	1.2
C607	1.2	C1007	1.2
C608	1.2	C1008	1.2
C609	1.2	C1009	1.2
C610	1.2	C1010	1.2
C611	1.2	C1011	1.2
C612	1.2	C1012	1.2
C613	1.2	C1013	1.2
C614	1.2	C1014	1.2
C615	1.2	C1015	1.2
C616	1.2	C1016	1.2
C617	1.2	C1017	1.2
C618	1.2	C1018	1.2
C619	1.2	C1019	1.2
C620	1.2	C1020	1.2
C621	1.2	C1021	1.2
C622	1.2	C1022	1.2
C623	1.2	C1023	1.2
C624	1.2	C1024	1.2
C625	1.2	C1025	1.2
C626	1.2	C1026	1.2
C627	1.2	C1027	1.2
C628	1.2	C1028	1.2
C629	1.2	C1029	1.2
C630	1.2	C1030	1.2
C631	1.2	C1031	1.2
C632	1.2	C1032	1.2
C633	1.2	C1033	1.2
C634	1.2	C1034	1.2
C635	1.2	C1035	1.2
C636	1.2	C1036	1.2
C637	1.2	C1037	1.2
C638	1.2	C1038	1.2
C639	1.2	C1039	1.2
C640	1.2	C1040	1.2
C641	1.2	C1041	1.2
C642	1.2	C1042	1.2
C643	1.2	C1043	1.2
C644	1.2	C1044	1.2
C645	1.2	C1045	1.2
C646	1.2	C1046	1.2
C647	1.2	C1047	1.2
C648	1.2	C1048	1.2
C649	1.2	C1049	1.2
C650	1.2	C1050	1.2
C651	1.2	C1051	1.2
C652	1.2	C1052	1.2
C653	1.2	C1053	1.2
C654	1.2	C1054	1.2
C655	1.2	C1055	1.2
C656	1.2	C1056	1.2
C657	1.2	C1057	1.2
C658	1.2	C1058	1.2
C659	1.2	C1059	1.2
C660	1.2	C1060	1.2
C661	1.2	C1061	1.2
C662	1.2	C1062	1.2
C663	1.2	C1063	1.2
C664	1.2	C1064	1.2
C665	1.2	C1065	1.2
C666	1.2	C1066	1.2
C667	1.2	C1067	1.2
C668	1.2	C1068	1.2
C669	1.2	C1069	1.2
C670	1.2	C1070	1.2
C671	1.2	C1071	1.2
C672	1.2	C1072	1.2
C673	1.2	C1073	1.2
C674	1.2	C1074	1.2
C675	1.2	C1075	1.2
C676	1.2	C1076	1.2
C677	1.2	C1077	1.2
C678	1.2	C1078	1.2
C679	1.2	C1079	1.2
C680	1.2	C1080	1.2
C681	1.2	C1081	1.2
C682	1.2	C1082	1.2
C683	1.2	C1083	1.2
C684	1.2	C1084	1.2
C685	1.2	C1085	1.2
C686	1.2	C1086	1.2
C687	1.2	C1087	1.2
C688	1.2	C1088	1.2
C689	1.2	C1089	1.2
C690	1.2	C1090	1.2
C691	1.2	C1091	1.2
C692	1.2	C1092	1.2
C693	1.2	C1093	1.2
C694	1.2	C1094	1.2
C695	1.2	C1095	1.2

H.V./Power Supply 2/2 Schematic Diagram

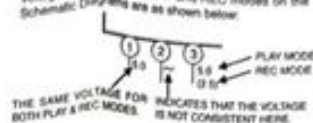
NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT)
2. PREFIX SYMBOL "OL" MEANS WIRE SOLDER HOLES OF THE PCB (WIRE IS SOLDERED DIRECTLY)

TEST POINT INFORMATION

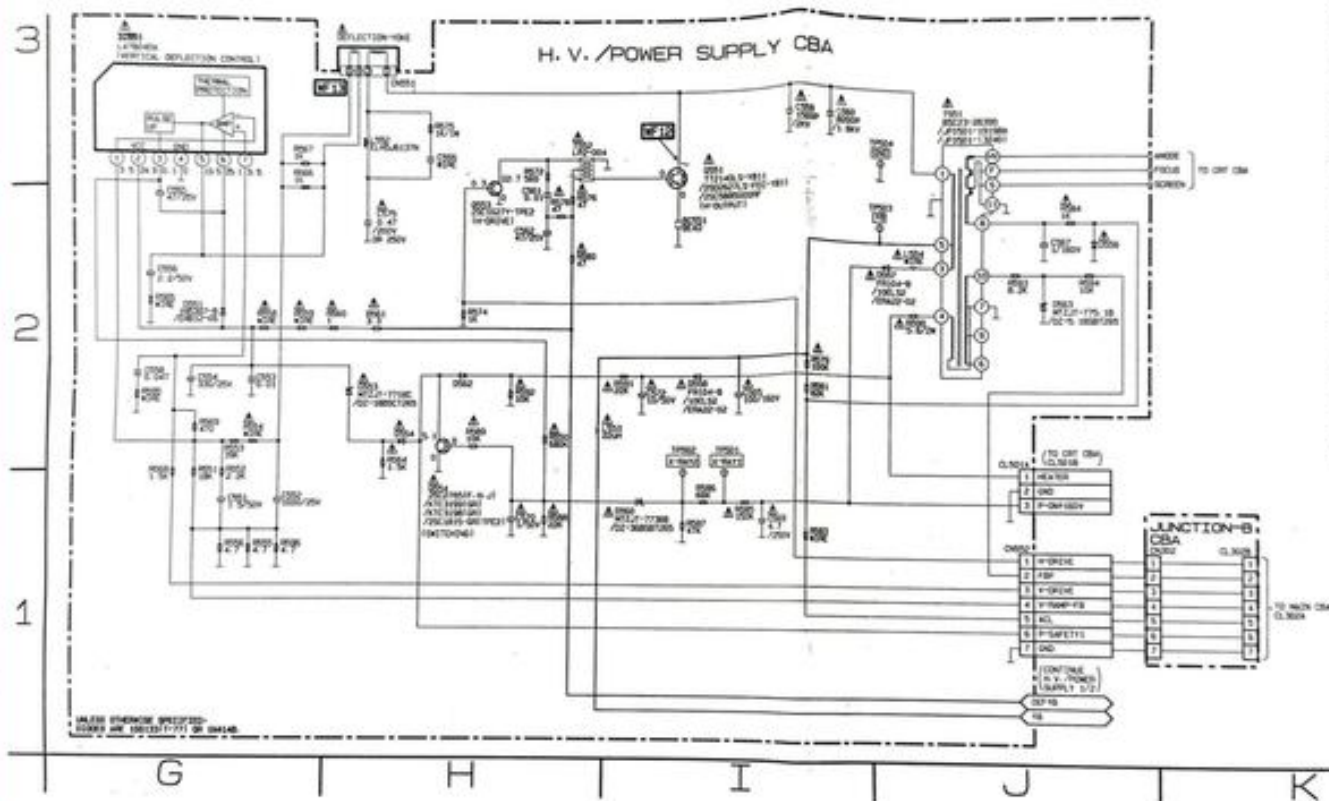
- INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ◇ USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- USED TO INDICATE A TEST POINT WITH A TEST PIN.

Voltage indicators for PLAY and REC modes on the Schematic Diagrams are as shown below



H.V. POWER SUPPLY 2/2 SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

REF.	VALUE	REF.	VALUE
1001	1.5K	1002	1.5K
1003	1.5K	1004	1.5K
1005	1.5K	1006	1.5K
1007	1.5K	1008	1.5K
1009	1.5K	1010	1.5K
1011	1.5K	1012	1.5K
1013	1.5K	1014	1.5K
1015	1.5K	1016	1.5K
1017	1.5K	1018	1.5K
1019	1.5K	1020	1.5K
1021	1.5K	1022	1.5K
1023	1.5K	1024	1.5K
1025	1.5K	1026	1.5K
1027	1.5K	1028	1.5K
1029	1.5K	1030	1.5K
1031	1.5K	1032	1.5K
1033	1.5K	1034	1.5K
1035	1.5K	1036	1.5K
1037	1.5K	1038	1.5K
1039	1.5K	1040	1.5K
1041	1.5K	1042	1.5K
1043	1.5K	1044	1.5K
1045	1.5K	1046	1.5K
1047	1.5K	1048	1.5K
1049	1.5K	1050	1.5K
1051	1.5K	1052	1.5K
1053	1.5K	1054	1.5K
1055	1.5K	1056	1.5K
1057	1.5K	1058	1.5K
1059	1.5K	1060	1.5K
1061	1.5K	1062	1.5K
1063	1.5K	1064	1.5K
1065	1.5K	1066	1.5K
1067	1.5K	1068	1.5K
1069	1.5K	1070	1.5K
1071	1.5K	1072	1.5K
1073	1.5K	1074	1.5K
1075	1.5K	1076	1.5K
1077	1.5K	1078	1.5K
1079	1.5K	1080	1.5K
1081	1.5K	1082	1.5K
1083	1.5K	1084	1.5K
1085	1.5K	1086	1.5K
1087	1.5K	1088	1.5K
1089	1.5K	1090	1.5K
1091	1.5K	1092	1.5K
1093	1.5K	1094	1.5K
1095	1.5K	1096	1.5K
1097	1.5K	1098	1.5K
1099	1.5K	1100	1.5K
1101	1.5K	1102	1.5K
1103	1.5K	1104	1.5K
1105	1.5K	1106	1.5K
1107	1.5K	1108	1.5K
1109	1.5K	1110	1.5K
1111	1.5K	1112	1.5K
1113	1.5K	1114	1.5K
1115	1.5K	1116	1.5K
1117	1.5K	1118	1.5K
1119	1.5K	1120	1.5K
1121	1.5K	1122	1.5K
1123	1.5K	1124	1.5K
1125	1.5K	1126	1.5K
1127	1.5K	1128	1.5K
1129	1.5K	1130	1.5K
1131	1.5K	1132	1.5K
1133	1.5K	1134	1.5K
1135	1.5K	1136	1.5K
1137	1.5K	1138	1.5K
1139	1.5K	1140	1.5K
1141	1.5K	1142	1.5K
1143	1.5K	1144	1.5K
1145	1.5K	1146	1.5K
1147	1.5K	1148	1.5K
1149	1.5K	1150	1.5K
1151	1.5K	1152	1.5K
1153	1.5K	1154	1.5K
1155	1.5K	1156	1.5K
1157	1.5K	1158	1.5K
1159	1.5K	1160	1.5K
1161	1.5K	1162	1.5K
1163	1.5K	1164	1.5K
1165	1.5K	1166	1.5K
1167	1.5K	1168	1.5K
1169	1.5K	1170	1.5K
1171	1.5K	1172	1.5K
1173	1.5K	1174	1.5K
1175	1.5K	1176	1.5K
1177	1.5K	1178	1.5K
1179	1.5K	1180	1.5K
1181	1.5K	1182	1.5K
1183	1.5K	1184	1.5K
1185	1.5K	1186	1.5K
1187	1.5K	1188	1.5K
1189	1.5K	1190	1.5K
1191	1.5K	1192	1.5K
1193	1.5K	1194	1.5K
1195	1.5K	1196	1.5K
1197	1.5K	1198	1.5K
1199	1.5K	1200	1.5K



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES (1/16" OR 0.0156")

H.V./Power Supply 1/2 Schematic Diagram

CAUTION !

Fixed voltage (or Auto voltage selectable) power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply.
Otherwise it may cause some components in the power supply circuit to fail.

CAUTION

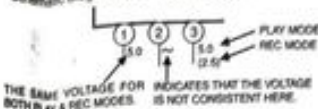
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,

REPLACE ONLY WITH THE SAME TYPE FUSE.

NOTE :

The voltage for parts in hot circuit is measured using hot GND as a common terminal.

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:



NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT).
2. PREFIX SYMBOL "OL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY).

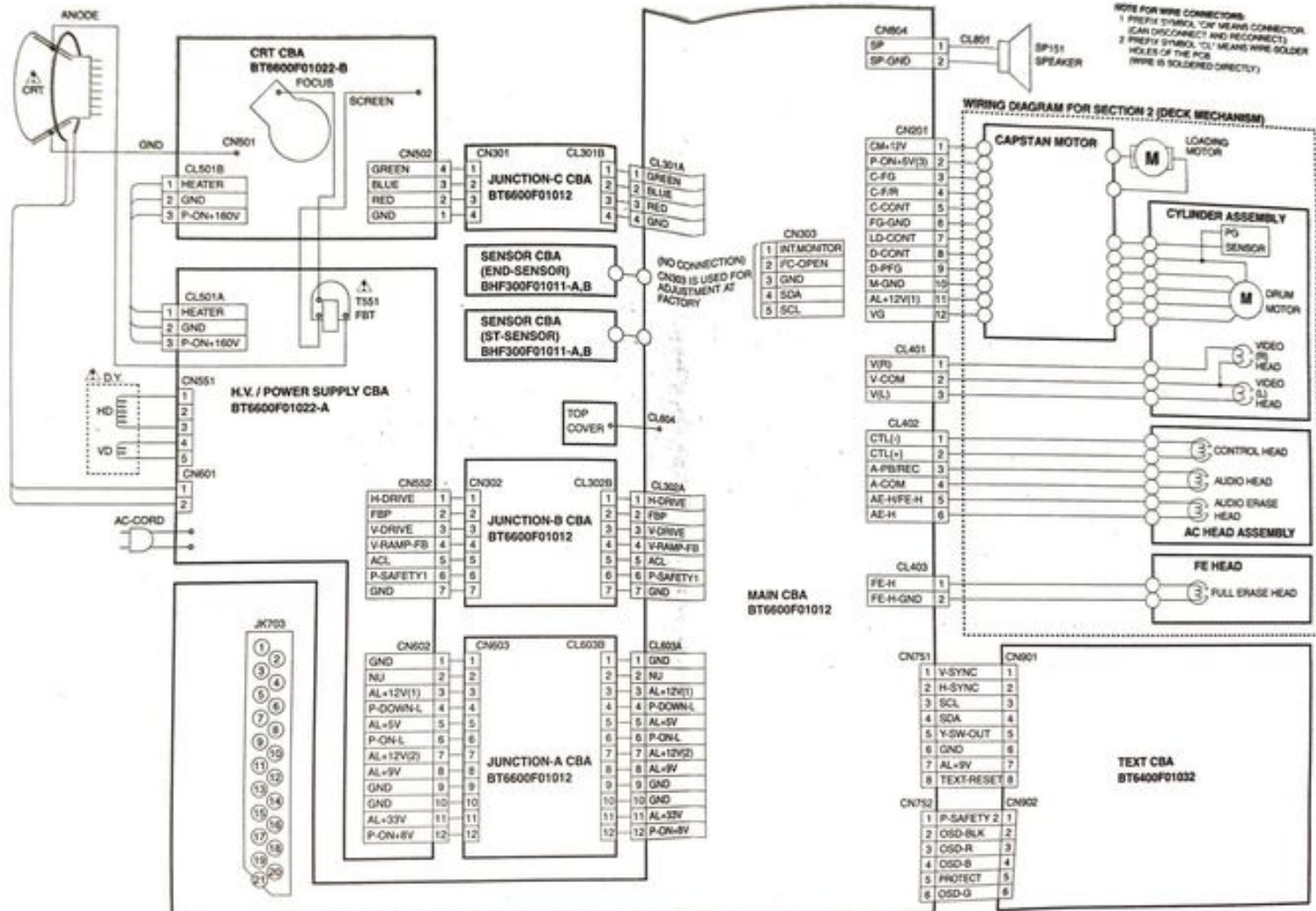
VOLTAGE CHART (Power off mode)

Ref. No.	1	2	3	4
V2001	13.1	12.1	12.2	1.8
Ref. No.	5	6	7	8
C602	0	304.0	1.8	
Ref. No.	9	10	11	12
C603	0	1.8	0.2	
C604	8.7	12.0	7.3	
C605	10.3	10.3	9.6	
C606	5.9	9.7	6.5	
C607	1.2	5.5	1.2	
C608	0	0.1	0.7	

H.V. POWER SUPPLY 1/2 SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

Ref. No.	Part No.	Part No.	Part No.
C601	0.1	C609	0.2
C602	0.1	C610	0.1
C603	0.1	C611	0.1
C604	0.1	C612	0.1
C605	0.1	C613	0.1
C606	0.1	C614	0.1
C607	0.1	C615	0.1
C608	0.1	C616	0.1
C609	0.1	C617	0.1
C610	0.1	C618	0.1
C611	0.1	C619	0.1
C612	0.1	C620	0.1
C613	0.1	C621	0.1
C614	0.1	C622	0.1
C615	0.1	C623	0.1
C616	0.1	C624	0.1
C617	0.1	C625	0.1
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C718	0.1	C726	0.1
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C839	0.1	C847	0.1
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C856	0.1	C864	0.1
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C863	0.1	C871	0.1
C864	0.1	C872	0.1
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C866	0.1	C874	0.1
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C869	0.1	C877	0.1
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C872	0.1	C880	0.1
C873	0.1	C881	0.1
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C880	0.1	C888	0.1
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C882	0.1	C890	0.1
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C885	0.1	C893	0.1
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C889	0.1	C897	

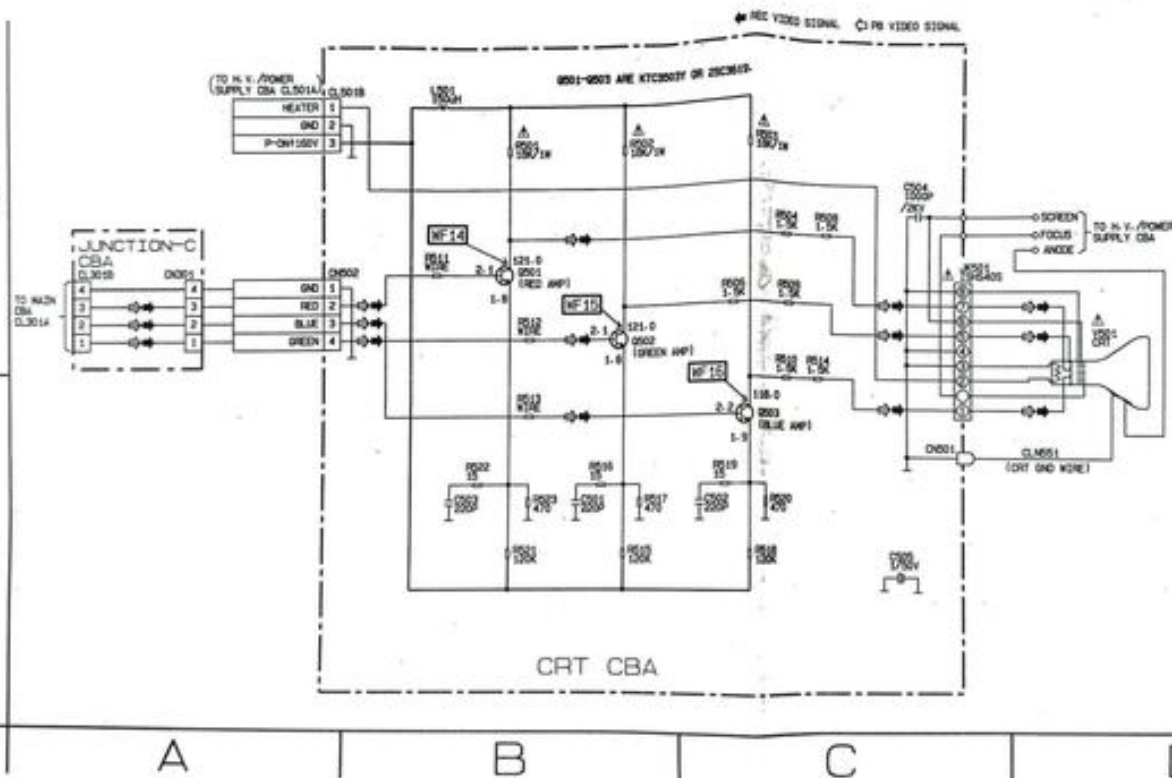
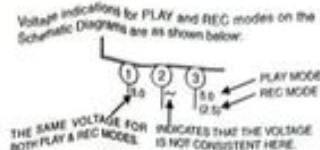
Wiring Diagram



CRT Schematic Diagram

NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR.
(CAN DISCONNECT AND RECONNECT)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB.
(WIRE IS SOLDERED DIRECTLY)



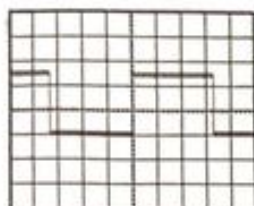
CRT SCHEMATIC DIAGRAM

PARTS LOCATION GUIDE

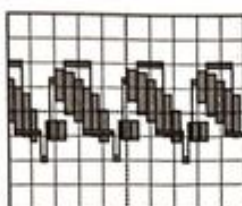
Ref No.	Position
CAPACITORS	
C001	B-1
C002	C-1
C003	B-1
C004	C-2
C005	C-1
CONNECTORS	
CL301B	A-2
CN001	C-1
CN002	A-2
COIL	
L501	B-2
TRANSISTORS	
Q001	B-2
Q002	B-2
Q003	C-2
Q004	C-2
Q005	C-2
Q006	C-2
Q007	C-1
RESISTORS	
R501	B-2
R502	B-2
R503	C-2
R504	C-2
R505	C-2
R506	C-2
R507	C-1
R508	B-2
R509	B-2
R510	B-1
R511	C-1
R512	B-1
R513	B-1
R514	C-1
R515	B-1
R516	B-1
R517	B-1
R518	C-1
R519	C-1
R520	C-1
R521	B-1
R522	B-1
R523	B-1
MISCELLANEOUS	
JN001	C-2

WAVEFORMS

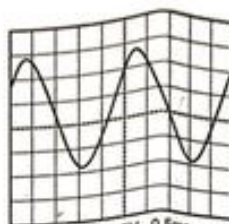
WAVEFORM NOTES
 INPUT: COLOR BAR SIGNAL
 OTHER CONTROLS: CENTER POSITION
 VOLTAGES SHOWN ARE RANGE OF
 OSCILLOSCOPE SETTING



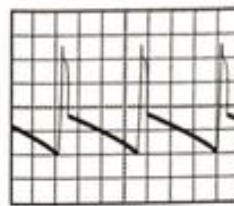
WF1 1DIV: 2V 5ms
 TP002 RF-SW



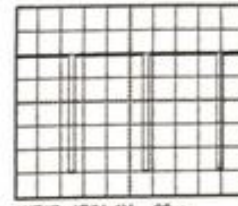
WF5 1DIV: 0.5V 20μs
 TP003 V-OUT



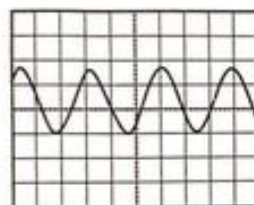
WF9 1DIV: 0.5V 0.5ms
 IC401 PIN 8



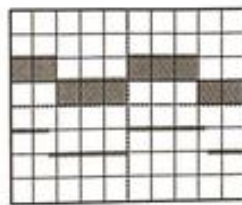
WF13 1DIV: 10V 5ms
 CN551 PIN 5



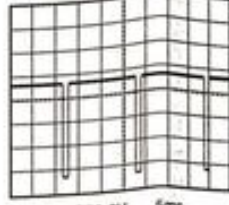
WF17 1DIV: 1V 20μs
 IC201 PIN 58



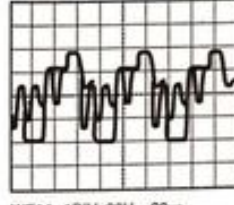
WF2 1DIV: 0.2V 0.1μs
 IC401 PIN 29



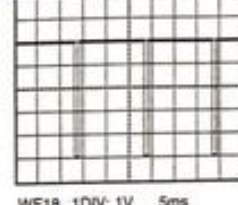
Upper: WF6 Lower: WF1
 1DIV: 0.2V 2DIV: 5V 5ms
 TP008 C-PB



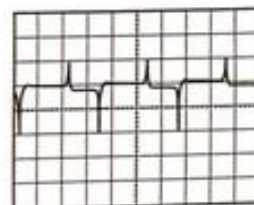
WF10 1DIV: 2V 5ms
 IC301 PIN 13



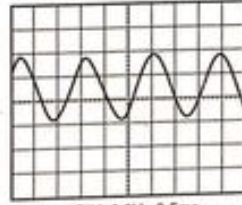
WF14 1DIV: 20V 20μs
 Q501 COLLECTOR



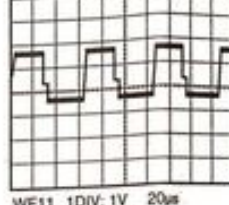
WF18 1DIV: 1V 5ms
 IC201 PIN 59



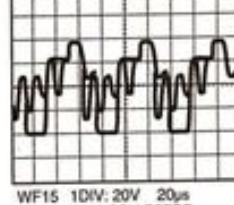
WF3 1DIV: 1V 10ms
 TP001 CTL



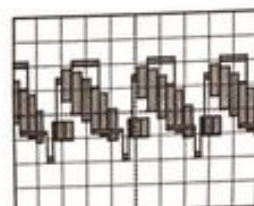
WF7 1DIV: 0.2V 0.5ms
 IC301 PIN 52



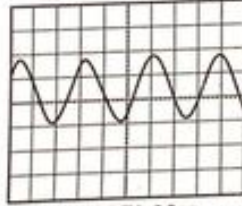
WF11 1DIV: 1V 20μs
 IC301 PIN 7



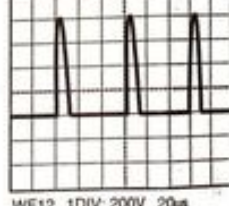
WF15 1DIV: 20V 20μs
 Q502 COLLECTOR



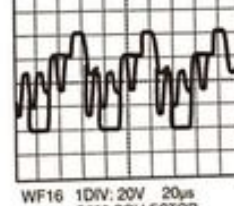
WF4 1DIV: 0.25V 20μs
 IC401 PIN 48



WF8 1DIV: 0.5V 0.5ms
 TP007 N-A-PB



WF12 1DIV: 200V 20μs
 Q551 COLLECTOR



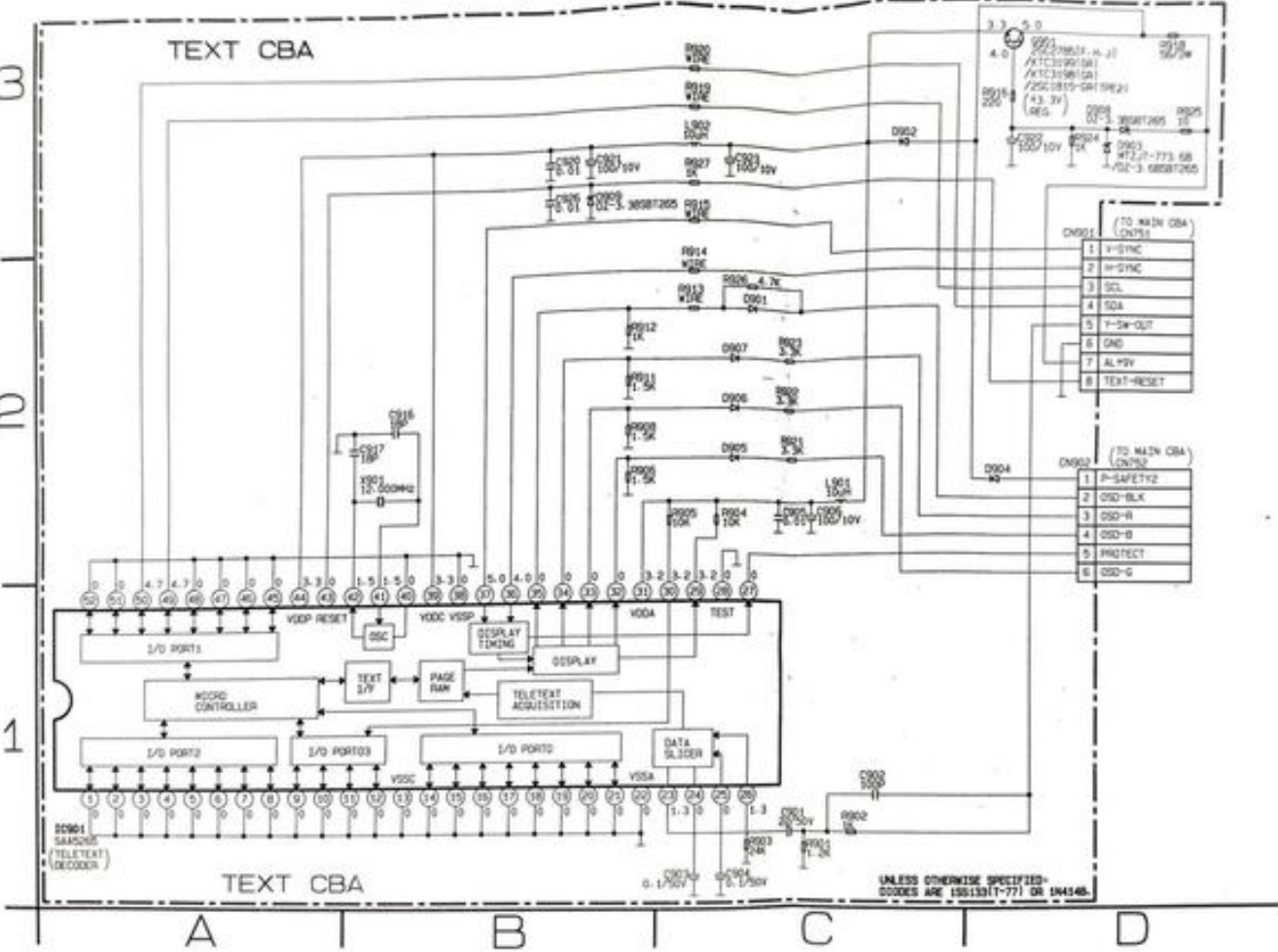
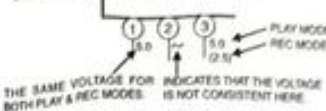
WF16 1DIV: 20V 20μs
 Q503 COLLECTOR

Text Schematic Diagram

NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB (WIRE IS SOLDERED DIRECTLY)

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below:



TEXT SCHEMATIC DIAGRAM PARTS LOCATION GUIDE

REF ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221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Main 1/5 Schematic Diagram

NOTE FOR WIRE CONNECTORS:

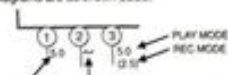
1. PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB (WIRE IS SOLDERED DIRECTLY)

*• = SMD

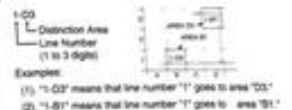
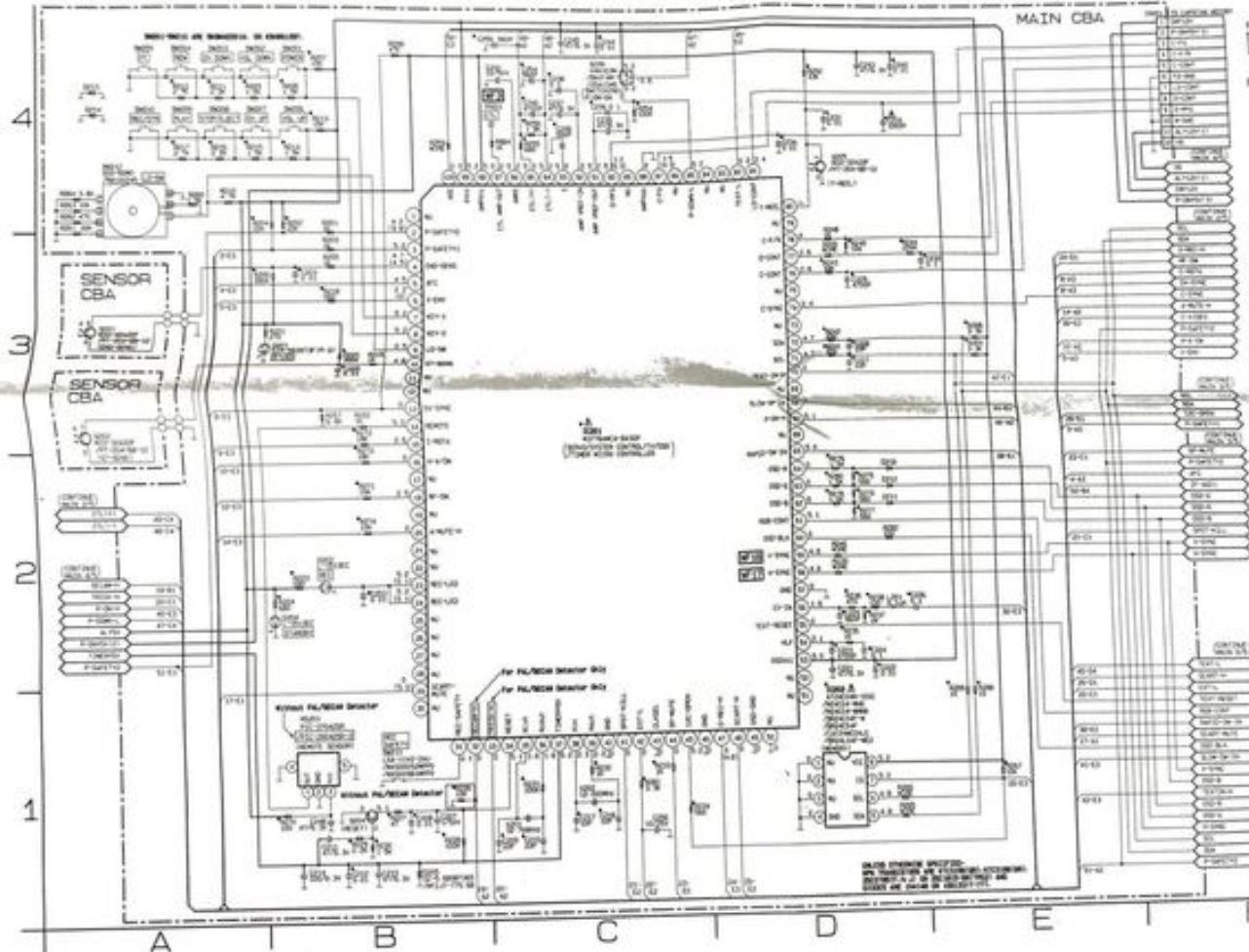
TEST POINT INFORMATION

- ① INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ② USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ③ USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- USED TO INDICATE A TEST POINT WITH A TEST PIN.

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below.



THE SAME VOLTAGE FOR INDICATES THAT THE VOLTAGE BOTH PLAY & REC MODES IS NOT CONSISTENT HERE.



(1) "1-03" means that line number "1" goes to area "03".

(2) "1-01" means that line number "1" goes to area "01".

WIRE VS. SCHEMATIC (WIRE) MAP LOCATION GUIDE

Wire No.	Position	Wire No.	Position	Wire No.	Position
1000	0.1	1001	0.1	1002	0.1
1003	0.1	1004	0.1	1005	0.1
1006	0.1	1007	0.1	1008	0.1
1009	0.1	1010	0.1	1011	0.1
1012	0.1	1013	0.1	1014	0.1
1015	0.1	1016	0.1	1017	0.1
1018	0.1	1019	0.1	1020	0.1
1021	0.1	1022	0.1	1023	0.1
1024	0.1	1025	0.1	1026	0.1
1027	0.1	1028	0.1	1029	0.1
1030	0.1	1031	0.1	1032	0.1
1033	0.1	1034	0.1	1035	0.1
1036	0.1	1037	0.1	1038	0.1
1039	0.1	1040	0.1	1041	0.1
1042	0.1	1043	0.1	1044	0.1
1045	0.1	1046	0.1	1047	0.1
1048	0.1	1049	0.1	1050	0.1
1051	0.1	1052	0.1	1053	0.1
1054	0.1	1055	0.1	1056	0.1
1057	0.1	1058	0.1	1059	0.1
1060	0.1	1061	0.1	1062	0.1
1063	0.1	1064	0.1	1065	0.1
1066	0.1	1067	0.1	1068	0.1
1069	0.1	1070	0.1	1071	0.1
1072	0.1	1073	0.1	1074	0.1
1075	0.1	1076	0.1	1077	0.1
1078	0.1	1079	0.1	1080	0.1
1081	0.1	1082	0.1	1083	0.1
1084	0.1	1085	0.1	1086	0.1
1087	0.1	1088	0.1	1089	0.1
1090	0.1	1091	0.1	1092	0.1
1093	0.1	1094	0.1	1095	0.1
1096	0.1	1097	0.1	1098	0.1
1099	0.1	1100	0.1	1101	0.1
1102	0.1	1103	0.1	1104	0.1
1105	0.1	1106	0.1	1107	0.1
1108	0.1	1109	0.1	1110	0.1
1111	0.1	1112	0.1	1113	0.1
1114	0.1	1115	0.1	1116	0.1
1117	0.1	1118	0.1	1119	0.1
1120	0.1	1121	0.1	1122	0.1
1123	0.1	1124	0.1	1125	0.1
1126	0.1	1127	0.1	1128	0.1
1129	0.1	1130	0.1	1131	0.1
1132	0.1	1133	0.1	1134	0.1
1135	0.1	1136	0.1	1137	0.1
1138	0.1	1139	0.1	1140	0.1
1141	0.1	1142	0.1	1143	0.1
1144	0.1	1145	0.1	1146	0.1
1147	0.1	1148	0.1	1149	0.1
1150	0.1	1151	0.1	1152	0.1
1153	0.1	1154	0.1	1155	0.1
1156	0.1	1157	0.1	1158	0.1
1159	0.1	1160	0.1	1161	0.1
1162	0.1	1163	0.1	1164	0.1
1165	0.1	1166	0.1	1167	0.1
1168	0.1	1169	0.1	1170	0.1
1171	0.1	1172	0.1	1173	0.1
1174	0.1	1175	0.1	1176	0.1
1177	0.1	1178	0.1	1179	0.1
1180	0.1	1181	0.1	1182	0.1
1183	0.1	1184	0.1	1185	0.1
1186	0.1	1187	0.1	1188	0.1
1189	0.1	1190	0.1	1191	0.1
1192	0.1	1193	0.1	1194	0.1
1195	0.1	1196	0.1	1197	0.1
1198	0.1	1199	0.1	1200	0.1

Main 2/5 Schematic Diagram

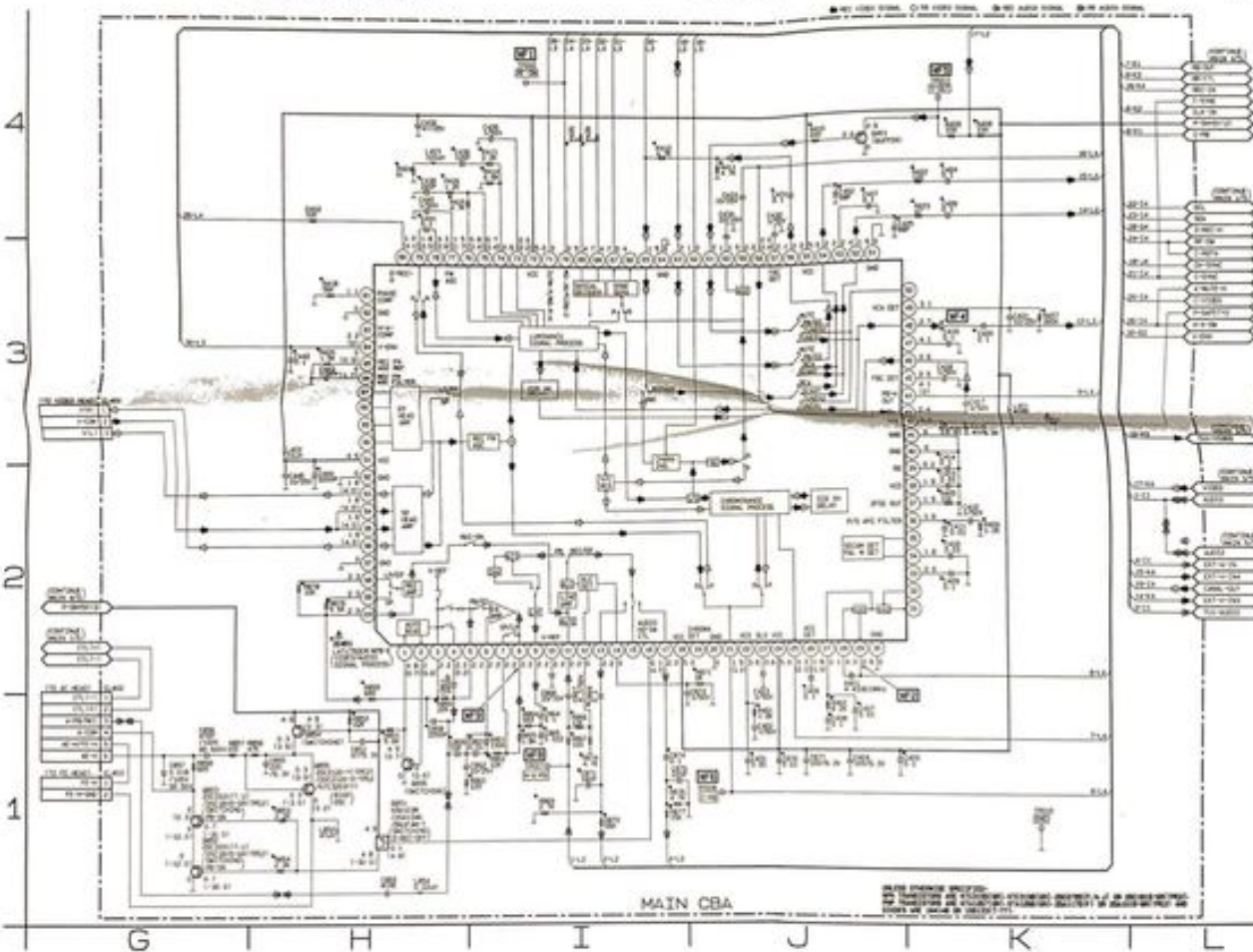
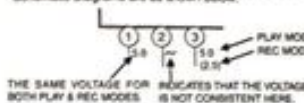
NOTE FOR WIRE CONNECTORS:

- PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT)
- PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB (WIRE IS SOLDERED DIRECTLY)

TEST POINT INFORMATION

- ① INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB
- ② USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE
- ③ USED TO INDICATE A TEST POINT WITH NO TEST PIN
- USED TO INDICATE A TEST POINT WITH A TEST PIN

Voltage indicators for PLAY and REC modes on the Schematic Diagrams are as shown below:



1-29 Distinction Area
(Line Number
(1 to 3 digits))

Examples:
(1) "1-05" means that line number "1" goes to area "05."
(2) "1-01" means that line number "1" goes to area "01."

Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
CAPACITORS	RESISTORS	CAPACITORS	RESISTORS	CAPACITORS	RESISTORS
C101	2.2	C102	10K	C103	10K
C104	10K	C105	10K	C106	10K
C107	10K	C108	10K	C109	10K
C110	10K	C111	10K	C112	10K
C113	10K	C114	10K	C115	10K
C116	10K	C117	10K	C118	10K
C119	10K	C120	10K	C121	10K
C122	10K	C123	10K	C124	10K
C125	10K	C126	10K	C127	10K
C128	10K	C129	10K	C130	10K
C131	10K	C132	10K	C133	10K
C134	10K	C135	10K	C136	10K
C137	10K	C138	10K	C139	10K
C140	10K	C141	10K	C142	10K
C143	10K	C144	10K	C145	10K
C146	10K	C147	10K	C148	10K
C149	10K	C150	10K	C151	10K
C152	10K	C153	10K	C154	10K
C155	10K	C156	10K	C157	10K
C158	10K	C159	10K	C160	10K
C161	10K	C162	10K	C163	10K
C164	10K	C165	10K	C166	10K
C167	10K	C168	10K	C169	10K
C170	10K	C171	10K	C172	10K
C173	10K	C174	10K	C175	10K
C176	10K	C177	10K	C178	10K
C179	10K	C180	10K	C181	10K
C182	10K	C183	10K	C184	10K
C185	10K	C186	10K	C187	10K
C188	10K	C189	10K	C190	10K
C191	10K	C192	10K	C193	10K
C194	10K	C195	10K	C196	10K
C197	10K	C198	10K	C199	10K
C200	10K	C201	10K	C202	10K
C203	10K	C204	10K	C205	10K
C206	10K	C207	10K	C208	10K
C209	10K	C210	10K	C211	10K
C212	10K	C213	10K	C214	10K
C215	10K	C216	10K	C217	10K
C218	10K	C219	10K	C220	10K
C221	10K	C222	10K	C223	10K
C224	10K	C225	10K	C226	10K
C227	10K	C228	10K	C229	10K
C230	10K	C231	10K	C232	10K
C233	10K	C234	10K	C235	10K
C236	10K	C237	10K	C238	10K
C239	10K	C240	10K	C241	10K
C242	10K	C243	10K	C244	10K
C245	10K	C246	10K	C247	10K
C248	10K	C249	10K	C250	10K
C251	10K	C252	10K	C253	10K
C254	10K	C255	10K	C256	10K
C257	10K	C258	10K	C259	10K
C260	10K	C261	10K	C262	10K
C263	10K	C264	10K	C265	10K
C266	10K	C267	10K	C268	10K
C269	10K	C270	10K	C271	10K
C272	10K	C273	10K	C274	10K
C275	10K	C276	10K	C277	10K
C278	10K	C279	10K	C280	10K
C281	10K	C282	10K	C283	10K
C284	10K	C285	10K	C286	10K
C287	10K	C288	10K	C289	10K
C290	10K	C291	10K	C292	10K
C293	10K	C294	10K	C295	10K
C296	10K	C297	10K	C298	10K
C299	10K	C300	10K	C301	10K
C302	10K	C303	10K	C304	10K
C305	10K	C306	10K	C307	10K
C308	10K	C309	10K	C310	10K
C311	10K	C312	10K	C313	10K
C314	10K	C315	10K	C316	10K
C317	10K	C318	10K	C319	10K
C320	10K	C321	10K	C322	10K
C323	10K	C324	10K	C325	10K
C326	10K	C327	10K	C328	10K
C329	10K	C330	10K	C331	10K
C332	10K	C333	10K	C334	10K
C335	10K	C336	10K	C337	10K
C338	10K	C339	10K	C340	10K
C341	10K	C342	10K	C343	10K
C344	10K	C345	10K	C346	10K
C347	10K	C348	10K	C349	10K
C350	10K	C351	10K	C352	10K
C353	10K	C354	10K	C355	10K
C356	10K	C357	10K	C358	10K
C359	10K	C360	10K	C361	10K
C362	10K	C363	10K	C364	10K
C365	10K	C366	10K	C367	10K
C368	10K	C369	10K	C370	10K
C371	10K	C372	10K	C373	10K
C374	10K	C375	10K	C376	10K
C377	10K	C378	10K	C379	10K
C380	10K	C381	10K	C382	10K
C383	10K	C384	10K	C385	10K
C386	10K	C387	10K	C388	10K
C389	10K	C390	10K	C391	10K
C392	10K	C393	10K	C394	10K
C395	10K	C396	10K	C397	10K
C398	10K	C399	10K	C400	10K
C401	10K	C402	10K	C403	10K
C404	10K	C405	10K	C406	10K
C407	10K	C408	10K	C409	10K
C410	10K	C411	10K	C412	10K
C413	10K	C414	10K	C415	10K
C416	10K	C417	10K	C418	10K
C419	10K	C420	10K	C421	10K
C422	10K	C423	10K	C424	10K
C425	10K	C426	10K	C427	10K
C428	10K	C429	10K	C430	10K
C431	10K	C432	10K	C433	10K
C434	10K	C435	10K	C436	10K
C437	10K	C438	10K	C439	10K
C440	10K	C441	10K	C442	10K
C443	10K	C444	10K	C445	10K
C446	10K	C447	10K	C448	10K
C449	10K	C450	10K	C451	10K
C452	10K	C453	10K	C454	10K
C455	10K	C456	10K	C457	10K
C458	10K	C459	10K	C460	10K
C461	10K	C462	10K	C463	10K
C464	10K	C465	10K	C466	10K
C467	10K	C468	10K	C469	10K
C470	10K	C471	10K	C472	10K
C473	10K	C474	10K	C475	10K
C476	10K	C477	10K	C478	10K
C479	10K	C480	10K	C481	10K
C482	10K	C483	10K	C484	10K
C485	10K	C486	10K	C487	10K
C488	10K	C489	10K	C490	10K
C491	10K	C492	10K	C493	10K
C494	10K	C495	10K	C496	10K
C497	10K	C498	10K	C499	10K
C500	10K	C501	10K	C502	10K
C503	10K	C504	10K	C505	10K
C506	10K	C507	10K	C508	10K
C509	10K	C510	10K	C511	10K
C512	10K	C513	10K	C514	10K
C515	10K	C516	10K	C517	10K
C518	10K	C519	10K	C520	10K
C521	10K	C522	10K	C523	10K
C524	10K	C525	10K	C526	10K
C527	10K	C528	10K	C529	10K
C530	10K	C531	10K	C532	10K
C533	10K	C534	10K	C535	10K
C536	10K	C537	10K	C538	10K
C539	10K	C540	10K	C541	10K
C542	10K	C543	10K	C544	10K
C545	10K	C546	10K	C547	10K
C548	10K	C549	10K	C550	10K
C551	10K	C552	10K	C553	10K
C554	10K	C555	10K	C556	10K
C557	10K	C558	10K	C559	10K
C560	10K	C561	10K	C562	10K
C563	10K	C564	10K	C565	10K
C566	10K	C567	10K	C568	10K
C569	10K	C570	10K	C571	10K
C572	10K	C573	10K	C574	10K
C575	10K	C576	10K	C577	10K
C578	10K	C579	10K	C580	10K
C581	10K	C582	10K	C583	10K
C584	10K	C585	10K	C586	10K
C587	10K	C588	10K	C589	10K
C590	10K	C591	10K	C592	10K
C593	10K	C594	10K	C595	10K
C596	10K	C597	10K	C598	10K
C599	10K	C600	10K	C601	10K
C602	10K	C603	10K	C604	10K
C605	10K	C606	10K	C607	10K
C608	10K	C609	10K	C610	10K
C611	10K	C612	10K	C613	10K
C614	10K	C615	10K	C616	10K
C617	10K	C618	10K	C619	10K
C620	10K	C621	10K	C622	10K
C623	10K	C624	10K	C625	10K
C626	10K	C627	10K	C628	10K
C629	10K	C630	10K	C631	10K
C632	10K	C633	10K	C634	10K
C635	10K	C636	10K	C637	10K
C638	10K	C639	10K	C640	10K
C641	10K	C642	10K	C643	10K
C644	10K	C645	10K	C646	10K
C647	10K	C648	10K	C649	10K
C650	10K	C651	10K	C652	10K
C653	10K	C654	10K	C655	10K
C656	10K	C657	10K	C658	10K
C659	10K	C660	10K	C661	10K
C662	10K	C663	10K	C664	10K
C665	10K	C666	10K	C667	10K
C668	10K	C669	10K	C670	10K
C671	10K	C672	10K	C673	10K
C674	10K	C675	10K	C676	10K
C677	10K	C678	10K	C679	10K
C680	10K	C681	10K	C682	10K
C683	10K	C684	10K	C685	10K
C686	10K	C687	10K	C688	10K
C689	10K	C690	10K	C691	10K
C692	10K	C693	10K	C694	10K
C695	10K	C696	10K	C697	10K
C698	10K	C699	10K	C700	10K
C701	10K	C702	10K	C703	10K
C704	10K	C705	10K	C706	10K
C707	10K	C708	10K	C709	10K
C710	10K	C711	10K	C712	10K
C713	10K	C714	10K	C715	10K
C716	10K	C717	10K	C718	10K
C719	10K	C720	10K	C721	10K
C722	10K	C723	10K	C724	10K
C725	10K	C726	10K	C727	10K
C728	10K	C729	10K	C730	10K
C731	10K	C732	10K	C733	10K
C734	10K	C735	10K	C736	10K
C737	10K	C738	10K	C739	10K

Main 5/5 Schematic Diagram

*•• = SMD

NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL 'CN' MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT)
2. PREFIX SYMBOL 'CL' MEANS WIRE-SOLDER HOLES IN THE PCB (WIRE IS SOLDERED DIRECTLY)

TEST POINT INFORMATION

- ① INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ③+ USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ③- USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- USED TO INDICATE A TEST POINT WITH A TEST PIN.

Voltage indications for PLAY and REC modes on the Schematic Diagrams are as shown below.



THE SAME VOLTAGE FOR INDICATES THAT THE VOLTAGE BOTH PLAY & REC MODES IS NOT CONSISTENT HERE.

1-03
L Distinction Area
Line Number
(1 to 3 digits)

Examples:

- (1) "1-03" means that line number "1" goes to area "03."
- (2) "1-03" means that line number "1" goes to area "03."

Line Number	Area	Line Number	Area
001	00.1	001	00.1
002	00.2	002	00.2
003	00.3	003	00.3
004	00.4	004	00.4
005	00.5	005	00.5
006	00.6	006	00.6
007	00.7	007	00.7
008	00.8	008	00.8
009	00.9	009	00.9
010	01.0	010	01.0
011	01.1	011	01.1
012	01.2	012	01.2
013	01.3	013	01.3
014	01.4	014	01.4
015	01.5	015	01.5
016	01.6	016	01.6
017	01.7	017	01.7
018	01.8	018	01.8
019	01.9	019	01.9
020	02.0	020	02.0
021	02.1	021	02.1
022	02.2	022	02.2
023	02.3	023	02.3
024	02.4	024	02.4
025	02.5	025	02.5
026	02.6	026	02.6
027	02.7	027	02.7
028	02.8	028	02.8
029	02.9	029	02.9
030	03.0	030	03.0
031	03.1	031	03.1
032	03.2	032	03.2
033	03.3	033	03.3
034	03.4	034	03.4
035	03.5	035	03.5
036	03.6	036	03.6
037	03.7	037	03.7
038	03.8	038	03.8
039	03.9	039	03.9
040	04.0	040	04.0
041	04.1	041	04.1
042	04.2	042	04.2
043	04.3	043	04.3
044	04.4	044	04.4
045	04.5	045	04.5
046	04.6	046	04.6
047	04.7	047	04.7
048	04.8	048	04.8
049	04.9	049	04.9
050	05.0	050	05.0
051	05.1	051	05.1
052	05.2	052	05.2
053	05.3	053	05.3
054	05.4	054	05.4
055	05.5	055	05.5
056	05.6	056	05.6
057	05.7	057	05.7
058	05.8	058	05.8
059	05.9	059	05.9
060	06.0	060	06.0
061	06.1	061	06.1
062	06.2	062	06.2
063	06.3	063	06.3
064	06.4	064	06.4
065	06.5	065	06.5
066	06.6	066	06.6
067	06.7	067	06.7
068	06.8	068	06.8
069	06.9	069	06.9
070	07.0	070	07.0
071	07.1	071	07.1
072	07.2	072	07.2
073	07.3	073	07.3
074	07.4	074	07.4
075	07.5	075	07.5
076	07.6	076	07.6
077	07.7	077	07.7
078	07.8	078	07.8
079	07.9	079	07.9
080	08.0	080	08.0
081	08.1	081	08.1
082	08.2	082	08.2
083	08.3	083	08.3
084	08.4	084	08.4
085	08.5	085	08.5
086	08.6	086	08.6
087	08.7	087	08.7
088	08.8	088	08.8
089	08.9	089	08.9
090	09.0	090	09.0
091	09.1	091	09.1
092	09.2	092	09.2
093	09.3	093	09.3
094	09.4	094	09.4
095	09.5	095	09.5
096	09.6	096	09.6
097	09.7	097	09.7
098	09.8	098	09.8
099	09.9	099	09.9
100	10.0	100	10.0

MAIN CBA

MAIN CBA

Y

Z

AA

BB

CC

DD

Main 3/5 Schematic Diagram

^a● = SMD

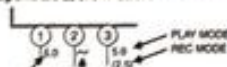
NOTE FOR WIRE CONNECTORS:

1. PREFIX SYMBOL "CN" MEANS CONNECTOR.
(CAN DISCONNECT AND RECONNECT)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB.
(WIRE IS SOLDERED DIRECTLY)

TEST POINT INFORMATION

- ⊙ INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ⊞ USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ⊙ USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- USED TO INDICATE A TEST POINT WITH A TEST PIN.

Voltage indications for **PLAY** and **REC** modes on the Schematic Diagrams are as shown below:



THE SAME VOLTAGE FOR BOTH PLAY & REC MODES INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.

